

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

see form PCT/ISA/220

3/11

PCT REC'D 05 SEP 2005  
WIPO PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/IB2005/051214

International filing date (day/month/year)  
13.04.2005

Priority date (day/month/year)  
20.04.2004

International Patent Classification (IPC) or both national classification and IPC  
G09G3/34, H04N5/57

Applicant  
KONINKLIJKE PHILIPS ELECTRONICS N.V.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office - P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk - Pays Bas  
Tel. +31 70 340 - 2040 Tx: 31 651 epo nl  
Fax: +31 70 340 - 3016

Authorized Officer

Ladiray, O

Telephone No. +31 70 340-2480



**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/IB2005/051214

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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material:  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing:  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
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International application No.  
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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or  
Industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	3-8
	No: Claims	1,2,9,10
Inventive step (IS)	Yes: Claims	-
	No: Claims	1-11
Industrial applicability (IA)	Yes: Claims	1-11
	No: Claims	-

**2. Citations and explanations**

**see separate sheet**

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

1. Reference is made to the following documents:

D1: US5,854,618

D2: US2002/0075251 A1

D3: JP2002218343

2. Independent claims.

2.1. Novelty.

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1 and 10 is not new in the sense of Article 33(2) PCT.

The document D1 discloses (the references in parentheses applying to this document):

Claim 1.

**A display product (see col.1/ lines 6-10) including:**

- ▶ **a display (display screen 18 of fig.1);**
- ▶ **processing means for receiving one or more image signals and presenting the images on the display (receiving and decoding section 10 of fig.1+ col.3/lines 1-5);**  
**and**
- ▶ **controlling means (control unit 13 of fig.1) for selectively switching operation of the display product between at least a first display product mode of operation during which images are presented on the display and a second night-light mode of operation during which the display product is operable to function at reduced power to provide night-light illumination from the display (see col.2/lines 21-33 & 58-67: switch between the operating mode and the standby mode. The standby mode implicitly provides a night-light illumination).**

Claim 10.

The subject-matter of claim 10 corresponds in method steps to the subject-matter of claim 1.

Therefore, the objections raised for claim 1 also apply for claim 10.

The subject-matter of claim 10 is therefore known from D1.

2.2. Inventive step.

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 11 does not involve an inventive step in the sense of Article 33(3) PCT.

The document D1 is regarded as being the closest prior art to the subject-matter of claim 11.

Claim 11.

Implementing a software in the control unit 13 of the display apparatus disclosed in D1 is a mere possibility from which the skilled person would choose, according to circumstances, for generating the decision of selecting either the normal operation mode or the standby mode, without exercise of inventive skill.

3. Dependent claims.

Dependent claims 2-9 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step.

Claim 2 (known from D1).

See fig.1 + col.2/lines 21-33 & 58-67 of D1: during the standby mode, the decoding and receiving section 10 is made substantially inactive (implicitly done by the control unit 13).

Claim 3 (not inventive).

Starting from D1, when confronted with the problem of displaying any data requesting a regular refreshment, the skilled person would, according to circumstances, adapt the apparatus of D1 to make it able to receive intermittent data during the standby mode, without exercise of inventive skill.

Claim 4 (not inventive).

Starting from D1, reducing the image display frequency is a known solution when confronted with the problem of saving power in a display device.  
As an illustration, D2 discloses a mere example of this technique (see paragraph 40).

Claims 5 and 8 (not inventive).

Starting from D1, when confronted with the problem of designing the decision block selecting either the normal operation mode or the standby mode, the skilled person would, according to circumstances, base this decision upon the output value of a sensor sensing any environmental characteristics, without exercise of inventive skill.

As an illustration, by sensing or not the presence of a user (motion sensor), the display device of D3 is switched in the normal display state or in the standby mode, respectively. Similar to this reasoning, the skilled person would implement, according to circumstances, a motion sensor in the display apparatus of D1 to detect any intrusion, without exercise of inventive skill.

Claim 6 (not inventive).

Consuming, during the standby mode, an order of magnitude less power than in the normal operation mode is a realistic result that can be achieved by the apparatus disclosed in D1.

Claim 7 (not inventive).

A display comprising a backlight unit is a mere possibility from which the skilled person would choose, according to circumstances, when confronted with the problem of implementing the display screen 18 of D1, without exercise of inventive skill.

Claim 9 (known from D1).

See fig.2 + col.3/lines 6-48 of D1: during the standby mode, the characteristics of the sound generated by the user will directly impact the content of the displayed image.

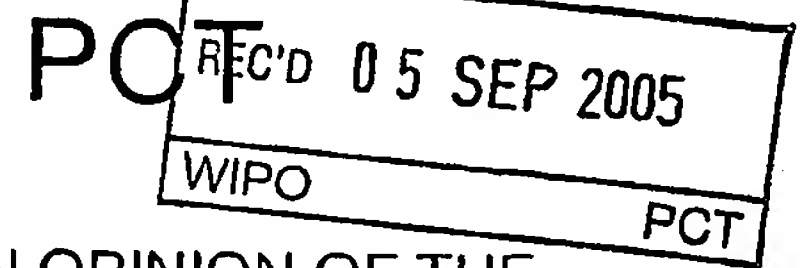
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European Patent Office - P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk - Pays Bas  
Tel. +31 70 340 - 2040 Tx: 31 651 epo nl  
Fax: +31 70 340 - 3016

Authorized Officer

Ladiray, O

Telephone No. +31 70 340-2480





**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/IB2005/051214

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**Box No. I Basis of the opinion**

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

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	No: Claims	1,2,9,10
Inventive step (IS)	Yes: Claims	-
	No: Claims	1-11
Industrial applicability (IA)	Yes: Claims	1-11
	No: Claims	-

**2. Citations and explanations**

**see separate sheet**

Re Item V

**Reasoned statement with regard to novelty, inventive step or industrial applicability;  
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Claim 10.

The subject-matter of claim 10 corresponds in method steps to the subject-matter of claim 1.

Therefore, the objections raised for claim 1 also apply for claim 10.

The subject-matter of claim 10 is therefore known from D1.

**2.2. Inventive step.**

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 11 does not involve an inventive step in the sense of Article 33(3) PCT.

The document D1 is regarded as being the closest prior art to the subject-matter of claim 11.

**Claim 11.**

Implementing a software in the control unit 13 of the display apparatus disclosed in D1 is a mere possibility from which the skilled person would choose, according to circumstances, for generating the decision of selecting either the normal operation mode or the standby mode, without exercise of inventive skill.

**3. Dependent claims.**

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**Claim 2 (known from D1).**

See fig.1 + col.2/lines 21-33 & 58-67 of D1: during the standby mode, the decoding and receiving section 10 is made substantially inactive (implicitly done by the control unit 13).

**Claim 3 (not inventive).**

Starting from D1, when confronted with the problem of displaying any data requesting a regular refreshment, the skilled person would, according to circumstances, adapt the apparatus of D1 to make it able to receive intermittent data during the standby mode, without exercise of inventive skill.

**Claim 4 (not inventive).**

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/IB2005/051214

Starting from D1, reducing the image display frequency is a known solution when confronted with the problem of saving power in a display device.  
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